

[illegible]

Examiner Signature	<i>MG Moran</i>	Date Considered	6/10/04
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Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/043,440		
		Filing Date	January 10, 2002		
		First Named Inventor	Maransa, Costas D.		
		Group Art Unit	4645 1631		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	P05468US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. †	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T2
MS		COVERT, "Regulation of Gene Expression in Flux Balance Models of Metabolism," J. Theor. Biol. 213, p.73-88, (2001) (11/7/2001).	
MS		EDWARDS, "In silico predictions of Escherichia coli metabolic capabilities are consistent with experimental data," Nature Biotechnology, Vol 19 p.125-130, (February 2001)	
MS		EDWARDS, "The Escherichia coli MG1655 in silico metabolic genotype: Its definition, characteristics, and capabilities," PNAS, Vol. 97 (No. 10), p.5528-5533, (May 9, 2000)	
MS		HATZIMANIKATIS, "Analysis and Design of Metabolic Reaction Networks via Mixed-Integer Linear Optimization," AIChE Journal, Vol. 42, (No. 5) p. 1277-1292, (May 1996)	
MS		PRAMANIK, "Stoichiometric Model of Escherichia coli Metabolism: Incorporation of Growth-Rate Dependent Biomass Composition and Mechanistic Energy Requirements," Biotechnology And Bioengineering, Vol. 56, (No. 4) p. 398-421, (November 4, 1997)	
MS		VARMA, "Metabolic Capabilities of Escherichia coli: I. Synthesis of Biosynthetic Precursors and Cofactors," J. Theor. Biol. p.477-502, (1993)	

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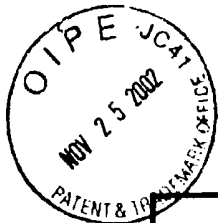
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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/043,440
		Filing Date	January 10, 2002
		First Named Inventor	MARANAS, COSTAS D. et al.
		Group Art Unit	1631
		Examiner Name	MOLAN
Attorney Docket Number	P05468US1		
Sheet	2	of	2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issu number(s), publisher, city and/or country where published.
MSY	1	"The Challenges of in Silico Biology" Bernhard Palsson, 2000 Nature America, Inc. <i>Biotechnology</i> vol. 18, pp. 1147-1150.
MSY	2	"How Will Bioinformatics Influence Metabolic Engineering" Jeremy S. Edwards, Bernhard O. Palsson, 1998 John Wiley & Sons, Inc. <i>Biotech. and Bioeng.</i> vol. 58(2-3) pp. 162-169. (1998)
	3	"Regulation of Gene Expression in Flux Balance Models of Metabolism" Markus W. Covert, Christophe H. Schilling and Bernhard Palsson, 2001 Academic Press.
MSY	4	"[309d] - Tightening Flux Balance Models Through Boolean Relations", Anthony P. Burgard, Costas D. Maranas, AIChE Technical Program Menu from Genomics to Pathways #2, Rec'd 4/11/01.
MSY	5	"The Underlying Pathway Structure of Biochemical Reaction Networks", Christophe H. Schilling and Bernhard O. Palsson, 1998 the National Academy of Sciences PNAS, vol. 95, pp. 4193-4198.
	6	"Metabolic Flux Balance Analysis and the in silico analysis of Escherichia Coli K-12 Gene Deletions" Jeremy S. Edwards, Bernhard O. Palsson, 7/27/2000 BMC Bioinformatics 2000
MSY	7	"Combining Pathway Analysis with Flux Balance Analysis for the Comprehensive Study of Metabolic Systems" Christophe H. Schilling, Jeremy S. Edwards, David Letscher, Bernhard O. Palsson; 2001 John Wiley & Sons, Inc. <i>Biotech. &amp; Bioeng.</i> vol. 71(4) pp. 287-306.

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